



# SPARK GAP

Vol. 39, Issue 6 & 7, June/July 2022 *MARC - Serving Central Indiana Communities*

## *ON OUR MARC:*

**This Saturday, July 16 is our Monthly MARC Meeting at 8 am at the REMC building in Franklin. We will be announcing the Election Committee and Deciding on a September Picnic location. If you would like to run for a MARC Executive Board position, please make that known to the election committee.**

73,  
Tim  
WC9G

**eat  
sleep  
HAM  
RADIO**



## ***JUNE BIRTHDAYS***

***WA9VBG – SAM CARTER***

***N9WQF – VINCE MATHEWS***

***W8ISH – JACK PARKER***

***W9KMS – STEVEN SEIVERT***

***NV9I – MICHAEL TURNER***

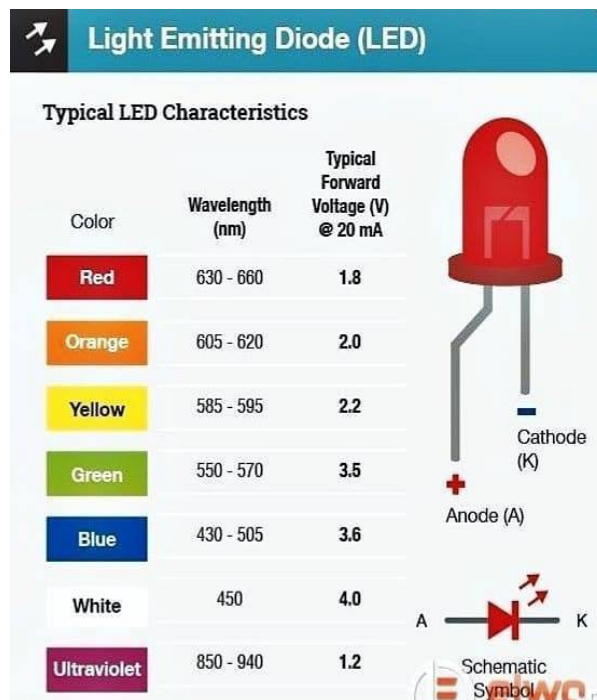
## ***JULY BIRTHDAYS***

***W1VYN – VIN POPPLEWELL***

***KC9JLS – JIM SEIVER***

***W9BAS – BRUCE SHELLY***

***KF9NF – THOMAS DAUGHERTY***



## **Bargersville Fire Department**

# **Johnson County Warning Storm Siren Policy**

**Johnson County Emergency Management Agency**

**Effective July 1, 2022**

**Approved by:**

**Johnson County EMA & Johnson County Fire Chief's Association**

### **1.0 Purpose**

**Johnson County has outdoor warning sirens throughout the county and they are only intended to warn people who are outdoors and not intended to warn residents inside their home.**

### **2.0 Sounding the Sirens**

**Johnson County Public Safety Communication Center activates the sirens when the National Weather Service issues a Tornado Warning. They also can be activated when a trained weather spotter or public safety personnel sees a funnel cloud or tornado.**



## COUNTY AUXCOMM EXERCISE

### A SUCCESS

Imagine if you will, a total power and internet outage in Johnson County. Using the MARC repeater, which has backup power, members of the Johnson County Emcomm group deployed to city and state parks for a two-hour Auxcomm exercise May 28<sup>th</sup>.



Using their Parks On The Air set up Tim-WC9G and Jeremy-KD9TIP set up at Camp Atterbury.

Ken-KD9ALA and Marlys-KD9BHM chose to stretch the limits and set up while camping at Brown County state Park.

On the north end of Johnson County, Jack-W8ISH and Bob-KC9NJM commandeered a picnic table at Freedom Park in Greenwood.



### AUXCOMM

The object of the exercise was to contact as many stations using HF from 40 meter up to 6 meters. Due to the close locations, we experimented with NVIS (near vertical incident skywave). Forty-meters worked well with lesser success on 20 meters. The best frequency was the MARC repeater. Phil-N9JEP was able to make HF contacts from his Franklin base station using 160 through 6-meters.





In Brown County Ken mounted a dual band mag-mount on the hood of his car. Marlys handled the 2-meter traffic through the club repeater.

### **JOHNSON COUNTY AUXCOMM EXERCISE==**

Using an elevated two-meter antenna Tim was able hit the repeater from Camp Atterbury while Jack and Bob used HT radios from Freedom Park.

Jack and Doug W9HR made several attempts to pass digital messages, direct point-to-point using WinLink and Vara FM,. That experiment failed on 2-meters due to the distance from Greenwood to Lamb Lake in southern Johnson County. We now know that higher elevated antennas or a relay station may be necessary for digital VHF in a real emergency.

Doug W9HR worked from his base station as did Phil-N9JEP who made several contacts with Tim on 160-6 meters using as little as five watts.

Other club members stopped by to observe the test. Thanks to John-W9YD and Bill-WB9FIK for your participation.

A similar exercise is being planned for this summer.



*-Story by Jack Parker*

*Photos by participants.*

Contact Tim WC9G at [president@midstatehams.org](mailto:president@midstatehams.org) or Jack at [W8ISH@arrl.net](mailto:W8ISH@arrl.net) if you would like to get involved with our Auxiliary Communications working group.

## **AuxComm/EmComm Group,**

On Saturday August 6 from 10am - noon(ish), the Auxcomm/EmComm Group is planning another Field Exercise. We need Field Teams in parks with HF as well as VHF/UHF, and if you don't want to join a Field team, home operators. Last time, we used the VHF repeater as a control station. This time, we plan to use a simplex VHF frequency and Net Controllers at the radio room. We would also like a WinLink for HF and perhaps VHF WinLink. We plan to make contact on all HF bands with each Field team, and drop power until we know the minimum power per band, per Field Team setup/location, as well as attempt HF WinLink, and possibly FM Winlink if it's not too much to try in one exercise.

Are you available 10am - noon Saturday August 6, and would you be willing to be on a Field Team or home team? We will need to finalize all plans no later than the next AuxComm meeting 8/3 at WRTFD Station #51.

Tim  
WC9G

## **Opportunity for Public Service**

MARC members have been asked to help with the Greater Greenwood Community Band Festival to be held at the Amphitheater at Serena Park in Greenwood. The event will take place on Saturday August 27<sup>th</sup> from Noon to 7PM. Volunteers will be assisting with Public Safety and parking cars in and around the area. There will be about 10 bands participating in the event and there will also be many people coming to listen to the bands perform. We have helped with this event over the past few years and our efforts are greatly appreciated by the bands and spectators.

This event will be simplex on a UHF frequency and the band will be using FRS radios for communication to the golf carts used transport people to and from parking to the amphitheater area.

Volunteers for this event will need the following items to bring with them:

1. Your favorite HT and charged battery pack. FRS radio to contact the golf cart drivers.
2. Safety Vest
3. Water, Snacks, Sunscreen and Hat
4. Comfortable shoes
5. Chair

Please wear your ham radio gear and anything showing that we are members of MARC. This event is usually low stress with lots of friendly people attending. There are usually no large trucks or buses to park and that makes things very simple in the areas we have to work. Our duties are usually finished by 3:30 PM or 4:00 PM. You can also stay to listen to the Bands, free admission to All.

I will have a sign up sheet at the July club meeting or contact me at: [n9siu@yahoo.com](mailto:n9siu@yahoo.com). We will need eight volunteers for this event to cover the entrances and places to park cars. This is a great event for new HAMs to work too.

73, Bob N9SIU

## Message from the New ARRL Indiana Section Manager

Hello,

I'm Bob Burns AK9R and I'm your new ARRL Indiana Section Manager.

I've been a licensed amateur radio operator since 1991 and an ARRL Life Member since 2002. Over those years, I've had many positions and done many things in amateur radio, so I think I bring a wide range of experience to the position.

Before I continue, a big thank you to our out-going Section Manager, Jimmy Merry KC9RPX, who served Indiana amateur radio operators for the past four years.

My goals as Section Manager are to:

- Engage Indiana amateur radio operators to help them achieve their goals in amateur radio.
- Empower Indiana amateur radio clubs to serve their members with interesting activities and programs.
- Enable Indiana ARES teams and volunteers to be relevant, resilient, and ready to serve the auxiliary communications needs of their served agencies.
- Execute the Section Manager responsibilities to recruit, appoint, and supervise section-level staff; maintain timely communications with Indiana ARRL members; and make personal visits to clubs, hamfests, and conventions.

The key, of course, is how to accomplish those goals and that's what I, along with my section staff, will be working on for the next few months.

If you have ideas on what you'd like to see from the ARRL in Indiana, please let me know. You can reach me by email at [ak9r@arrl.org](mailto:ak9r@arrl.org) or telephone at 317-520-1188. Or, stop by and bend my ear at one of the many hamfests coming up in Indiana.

73, Bob AK9R

## NETS IN AND AROUND JOHNSON COUNTY

We all like to check in to Amateur Radio Nets. Checking into a net gives you training on how to do it properly and helped me to learn more about amateur radio as well as make friends on the air. Radio nets are a good part of training especially for a newly licensed ham and veterans alike. Here is a list of nets around Johnson County, it is not complete by any means but gives you an idea of what is happening on the air during the week.

Johnson Co. ARES Net	Sunday 7:00PM	146.835- Pl. 151.4
Hamilton Co. ARES Net	Sunday 8:00PM	145.170- PL. 77.0
2 Meter Simplex Net	Sunday 8:00PM	146.520
Shelby Co. ARES Net	Monday 7:30PM	145.480- Pl. 88.5
DMR Crossroads Net	Monday 8:00PM	TG-8710/TG-31189
Hendricks Co. ARES Net	Tuesday 7:30PM	147.015+
Hoosier DMR Net	Tuesday 8:00PM	TG-3118
Marion Co. ARES Net	Wednesday 7:30PM	146.700-
Morgan Co. ARES Net	Wednesday 8:00PM	147.060+ Pl. 88.5
W9WIN Welcome Net	Wednesday 8:00PM	444.325+ Pl. 136.5
Indiana Traffic Net	Morning 0830 3.912 / Evening 3.910	All are welcome to check in.

You can find more nets that are available especially for HF on the ARRL web page.





## **FCC Legacy CORES System to be Retired**

The Federal Communications Commission (FCC) will retire the Legacy version of its Commission Registration System (CORES) on July 15, 2022. CORES is the FCC's public-facing database that enables and tracks certain types of FCC and FCC applicant actions, including amateur radio applications and licenses. Its implementation has enabled routine amateur applications and licenses to be issued overnight instead of over weeks, as was the case with earlier methods. ARRL The National Association for Amateur Radio® advises the amateur radio community to transition to the updated version of CORES as soon as possible.

In essence, CORES is designed to identify those who hold certain types of FCC licenses and FCC authorizations, including amateur licenses, and organize them in an easily accessible manner under a common FCC Registration Number (FRN) regardless of whether one holds a single such authority or thousands. The new CORES, in addition to assigning individual FRNs, allows holders of multiple FRNs to aggregate them under a single account where the licenses and authorization, fees and payments, and related actions can be administered from within the same account.

In effect, new CORES can be conceptualized as an electronic interactive file folder. The updated version of CORES has been available since 2016, and now its use will be mandatory for all amateur licensees when submitting amateur-related applications.

Starting on July 15, 2022, the Legacy CORES website will re-direct users to the Commission's updated CORES site. Although some functionalities in the old system will continue to work for a short time, the FCC has urged all users to transition to the updated CORES system to take advantage of its enhanced security and functionality.

### *Register with the FCC*

Licensees that do not already have an FCC CORES Username Account must create one with a unique username (a valid email address) and password. After creating the account, when logged in, users should associate their existing FRN or FRNs with this account. Instructions for doing so are on the FCC Registration Help page. One's FRN is printed on all current amateur applications and licenses, and will not change. FRNs can also be found by looking up one's call sign in the Commission's ULS (<https://wireless2.fcc.gov/UlsApp/UlsSearch/searchLicense.jsp>) or by using the FCC's advanced search page. The FCC has posted Tutorial Videos to assist with the transition. ARRL VEC Manager Maria Somma, AB1FM, recommends viewing the videos "Getting Started With the New CORES,"

which explains how to register for a CORES Username Account, and "Associating an FRN to a Username," which instructs Legacy CORES users on how to link one or more existing FRNs to a username. FCC CORES Registration Instructions can also be found on the ARRL website. Additional information is available on the FCC website or by calling the FCC Licensing Support Center at (877) 480-3201, Option 4, and on the FCC's e-support page.

..... ARRL News July 2022

**NEW**  
*from* **INOUE**



The image shows a black ICOM IC-22 mobile transceiver. It has a rectangular shape with a control panel on the front. The panel includes a frequency display on the left, a large tuning knob in the center, and two smaller knobs for volume (VOL) and squelch (SQL) on the right. Below the volume knob is a three-position switch for HI, OFF, and LOW. To the right of the switch is a microphone input jack labeled MIC. The text 'IC-22' and 'ICOM VHF FM' are printed on the front panel.

**IC-22 2 meter FM at only \$279.00 net.**

- 22 channel capability
- Ready to go on 146.94-.94, .34-.94, .16-.76, .76-.76, .52-.52.
- 10 watt DC operation
- Sensitivity better than 0.4 UV-20DB quieting  $\pm 8$  KC ceramic IF filter
- COR light shows signal without audio being on.
- BIG 4" speaker
- Size - 6 1/8" wide, 8 1/2" length, 2 1/4" high
- Many other features

**TOP 2 METER PERFORMANCE FROM  
THE PEOPLE WHO STARTED IT ALL**

**ADIRONDACK**  
**RADIO SUPPLY, INC.**

185 West Main Street AMSTERDAM, NY 12010

Phone 518-842-8350 for fast prepaid shipment.

1972 Ad for the ICOM IC-22 Mobile 2 Meter Transceiver.

# INDIANA HAMFESTS

July 30, 2022

East Central Indiana Hamfest

8 am - 3 pm

Randolph County Fairgrounds

1885 S US 27 Winchester, IN

August 6, 2022

Elkhart East Hamfest

8am – 2 pm

21565 Executive Parkway Elkhart, IN <https://elkharteasthamfest.com/>

\*\*\*

August 13, 2022

Hendricks Co. Tailgate

Avon United Methodist Church

6550 E US 36 Avon, IN

\*\*\*

August 13, 2022

Auburn Hamfest

Auburn Cord Duesenberg Museum

9 am – 1 pm

1600 Wayne Street Auburn, IN

September 10, 2022

MARC Tailgate (Free)

8am to 12pm

1 Caisson Drive Franklin, IN <http://www.midstatehams.org>

October 8, 2022

Hoosier Hills Hamfest

8 am

Lawrence Co Fairgrounds

11265 US-50 Bedford, IN

[www.w9qyq.org](http://www.w9qyq.org)

\*\*\*

October 15, 2022

TARS - Octoberfest

7 am - 2 pm

Lynnville Community Center

416 W ST RD 68 Lynnville, IN





## MID-STATE AMATEUR RADIO CLUB

The Mid-State Amateur Radio Club meets the **THIRD SATURDAY** of each month at the Johnson County REMC building 750 International Dr. Franklin, IN 46131

See our website, [www.midstatehams.org](http://www.midstatehams.org), for maps on how to get to our meeting.

Everyone is welcome; you do not have to be a *HAM* to attend our meetings or a member of the club.

### W9MID Repeater:

146.835/  
146.235 MHz  
(151.4 Hz PL Tone)

### Club Officers:

President: Tim Aldridge - WC9G  
Vice President: Rhonda Curtis - WS9H  
Secretary: Jim Adams – KB9JMU  
Treasurer: Jacki Frederick - KI6QOG  
Repeater Trustee - Chris Frederick – KQ9Y

### W9MID Repeater:

443.525/  
448.525 MHz  
(151.4 Hz PL Tone) YEASU SYSTEM FUSION (C4FM )

Weekly Net: Sunday evening 7:00 PM ARES/RACES members and ALL RADIO AMATEURS  
146.835/146.235 MHz (151.4 Hz PL Tone)

The Official Newsletter of the Mid-State Amateur Radio Club

P.O. Box 836  
Franklin, Indiana  
46131

Spark Gap Editor: Robert LaGrange N9SIU

*Please send your articles to my email: [n9siu@yahoo.com](mailto:n9siu@yahoo.com) no later than the 2nd week of the month.*



**Thanks to Johnson Co. REMC for the use of their building for meetings and testing.**